

## Message Text

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ACTION NEA-10

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E.O. 11652: N/A

TAGS: ENRG, TECH, IN

SUBJECT: PROPOSED BUDGET FOR DEPARTMENT OF ATOMIC ENERGY

1. SUMMARY: THE "DEMANDS FOR GRANTS OF THE DEPARTMENT OF ATOMIC ENERGY 1977-1978" JUST PUBLISHED INDICATE THE ESTIMATED EXPENDITURES FOR 1976-77 AND THE PROPOSED EXPENDITURES FOR 1977-78. THE PARLIAMENT MUST PASS ON THIS PROPOSED BUDGET WHICH IS VERY MUCH IN LINE WITH THE PREVIOUS YEAR'S EXPENDITURE. THE ITEMS NOTED IN THIS CABLE ARE THOSE THAT REFLECT THE EXPENDITURE FOR CAPITAL CONSTRUCTION AND OPERATIONS OF ATOMIC POWER PLANTS AND HEAVY WATER PLANTS. POSSIBLE NEW FACILITIES UNDER CONSIDERATION HAVE BEEN GIVEN TOKEN BUDGETS. END SUMMARY.

2. PUBLICATION COMMENTS ON THE REVENUE SECTION: THIS INCLUDES THOSE ITEMS THAT ARE CONSUMABLE EQUIPMENT AND SUPPLIES FOR THE VARIOUS DAE PLANTS. (N.B.) RUPEE 1 CRORE EQUALS DOLS 1.1 MILLION). AN INCREASE OF RS. 9.4 CRORES IN THE 1977-78 BUDGET OVER THE 1976-77 BUDGET IS DUE MAINLY TO THE FOLLOWING: AN  
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INCREASE OF RS. 3.4 CRORES FOR THE NUCLEAR FUEL COMPLEX (NRC) AND AN INCREASE OF RS. 4.1 CRORES FOR PROVISIONS FOR THE WHOLE YEAR'S OPERATIONAL REQUIREMENTS OF HEAVY WATER PLANTS AT BARODA AND TUTICORIN.

3. PUBLICATION COMMENTS ON THE CAPITAL SECTION: BUILDINGS, MACHINERY, AND EQUIPMENT ARE INCLUDED IN THIS SECTION. THERE

WAS A SAVING OF RS. 7.1 CRORES IN THE 1976-77 BUDGET DUE TO SMALLER REQUIREMENTS FOR THE RESEARCH REACTOR PROJECT OF BHABHA ATOMIC RESEARCH CENTER (BARC) THE HEAVY WATER PLANTS AT KOTA, TUTICORIN, AND TALCHER AS A RESULT OF DELAY IN THE DELIVERY OF MACHINERY AND EQUIPMENT, SLOWER PROGRESS OF ERECTION OF THE PLANTS, AND LOWER REQUIREMENTS FOR THE PURCHASE OF HEAVY WATER. ON THE OTHER HAND THE 1977-78 BUDGET INCLUDES AN INCREASE OF RUPEES 8.75 CRORES FOR PURCHASES OF HEAVY WATER FOR NUCLEAR POWER STATIONS AND RUPEES 6.63 CRORES MORE FOR EQUIPMENT, ETC. FOR BARC, RESEARCH AND COMPUTATIONAL FACILITIES OF THE VARIABLE ENERGY CYCLOTRON PROJECT, MACHINERY AND EQUIPMENT FOR THE FAST BREEDER TEST REACTOR PROJECT, AND-- OTHER LABORATORIES OF THE REACTOR RESEARCH CENTER. THESE ARE PARTLY OFFSET BY REDUCED PROVISIONS FOR THE HEAVY WATER PLANTS AT BARODA AND TUTICORIN, WHICH ARE EXPECTED TO BE OPERATIONAL DURING THE YEAR, AND AT TALCHER.

4. THE TABLE HAS THE ITEMS SEPARATED INTO OPERATIONS AND CAPITAL. THE "OPERATIONS" BUDGET INCLUDES MAN-POWER, SUPPLIES AND CONSUMABLE EQUIPMENT. INCLUDED IN THE BRACKETS AFTER EACH PLANT IS THE ESTIMATED TOTAL CAPITAL INVESTMENT NEEDED TO BUILD THE PARTICULAR PLANT AS NOTED IN THE 1975-76 DAE "PERFORMANCE BUDGET REPORT". WHEN THE CAPITAL INVESTMENT PER YEAR DROPS SHARPLY AS IN THE CASE OF RAPP II AND BRODA, THE OPERATIONS BUDGET PICKS UP AND THE PLANT NEARS COMMISSIONING. ALSO NOTED IS THE YEAR THE PLANT WAS TO BE COMPLETED ("PERFORMANCE BUDGET DAE FOR 1976-77"- APRIL 1976). THE BARODA HEAVY WATER PLANT HAS NOT BEEN COMMISSIONED BUT SHOULD BE SOON. ALL HEAVY WATER PLANTS AND POWER REACTORS UNDER CONSTRUCTION ARE BEHIND SCHEDULE.

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5. THIS TABLE PRESENTS SOME OF THE KEY ITEMS OF THE DAE BUDGET.  
NOTE: ALL FIGURES ARE IN CRORES OF RUPEES WHERE RS. 1 CRORE EQUALS US DOLS 1.1 MILLION.

	1976	1977	1977	1978
TOTAL CAPITAL INVESTMENT			TOTAL	TOTAL
NUCLEAR FUEL COMPLEX (OPERATIONS)			11.2	14.6
FUEL REPROCESSING				
BARC (OPERATIONS)			0.7	0.7
TARAPUR (OPERATIONS)			1.2	1.5
HEAVY WATER				
BARODA PLANT (OPERATION)			2.5	3.8
(1976) " (CAPITAL)	28	4	0.1	
(1977) TUTICORIN (OPERATIONS)			-	2.9
TUTICORIN (CAPITAL)	33	4.1	3.9	
(1978) KOTA	50	8.5	10.0	
(1977) TALCHER (CAPITAL)	36	8.1	5.8	

PURCHASE OF HEAVY WATER 14.4 23.2

ATOMIC POWER PLANTS

TARAPUR (1969) (OPS)	94	21.0 25.0
RAJASTHAN RAPP I (1973) (OPS)		12.3 13.1
RAPP I (CAPITAL)	73	0.6 1.0
(1977) RAPP II (OPS)		- 1.3
RAPP II (CAPITAL)	86	7.8 5.0

MADRAS MAPP I (CAPITAL) 82 11.4 10.0

(1979) MAPP II (CAPITAL) 82 11.8 11.0

NARORA I & II (CAPITAL) (1982) 210 14.0 23.0

TOTAL DAE BUDGET 231 258

6. THE PUBLICATION NOTED THAT TOKEN BUDGETS (IN PARENTHESIS)  
WERE PROVIDED FOR THE FOLLOWING NEW FACILITIES:  
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A) EXPANSION OF NON-ENRICHED FUEL FABRICATION FACILITY (AT NFC)  
FOR FUEL FOR HEAVY WATER ATOMIC POWER PLANTS

(RS. 1,000,000 EQUALS US DOLS 110,000).

B) FIFTH HEAVY WATER PLANT TO MEET THE NEEDS OF THE NUCLEAR  
POWER PLANTS (RS. 500,000 EQUALS US DOLS 55,000).

C) PRELIMINARY EXPENDITURE ON NEW ATOMIC POWER STATION (RS.  
100,000 EQUALS US DOLS 11,000).

D) SOLID STORAGE SURVEILLANCE FACILITY AT TARAPUR TO STORE HIGH  
LEVEL RADIOACTIVE WASTES, PROCESSED AND SOLIDIFIED IN THE WASTE  
IMMOBILIZATION PLANT (RS. 10,000 EQUALS US DOLS 1100).

7. COMMENT: THE PROCUREMENT OF RUSSIAN HEAVY WATER FOR RAPP II  
HAS NOT BEEN COMPLETED. ACCORDING TO THE LOCAL PRESS HEADLINES,  
"SOVIET CONDITIONS BLOCK N-FUEL DEAL" - FINANCIAL EXPRESS,  
MARCH 17, 1977. SINCE RS. 5 CRORES WILL BE SPENT ON RAPP II IN  
1977-78, IT IS NOT COMPLETE OR READY FOR THE HEAVY WATER.  
THE INCREASED PROCUREMENT FUNDS FOR HEAVY WATER, RS. 14 CRORES  
1976-77 TO 23 CRORES IN 1977-78, IS ALSO NOTED IN PRESS REPORTS.  
ALL FACILITIES UNDER CONSTRUCTION ARE  
BEHIND SCHEDULE. END COMMENT  
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## Message Attributes

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